

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.

Hex(CEBCA) Hex(FFDFC) Hex(CECAD) Hex(7F7F7E) Hex(000000) Hex(808080)

	Hex(CEBCA)	Hex(FFDFC)	Hex(CECAD)	Hex(7F7F7E)	Hex(000000)	Hex(808080)
Hex(CEBCA)		Ratio: 1.59 Failed ⁵	Ratio: 1.01 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 13.02 Passed ⁶	Ratio: 2.45 Failed ⁵
Hex(FFDFC)	Ratio: 1.59 Failed ⁵		Ratio: 1.60 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 20.71 Passed ⁶	Ratio: 3.89 AA 18pt ²
Hex(CECAD)	Ratio: 1.01 Failed ⁵	Ratio: 1.60 Failed ⁵		Ratio: 2.47 Failed ⁵	Ratio: 12.95 Passed ⁶	Ratio: 2.44 Failed ⁵
Hex(7F7F7E)	Ratio: 2.48 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 2.47 Failed ⁵		Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 1.01 Failed ⁵
Hex(000000)	Ratio: 13.02 Passed ⁶	Ratio: 20.71 Passed ⁶	Ratio: 12.95 Passed ⁶	Ratio: 5.24 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.45 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.01 Failed ⁵	Ratio: 5.32 AA ¹ AAA 18pt ⁴	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

¹ AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

² AA 18pt

AA level for large text above 18pt.

³ AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

⁴ AAA 18pt

AAA level for large text above 18pt.

⁵ Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

⁶ Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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